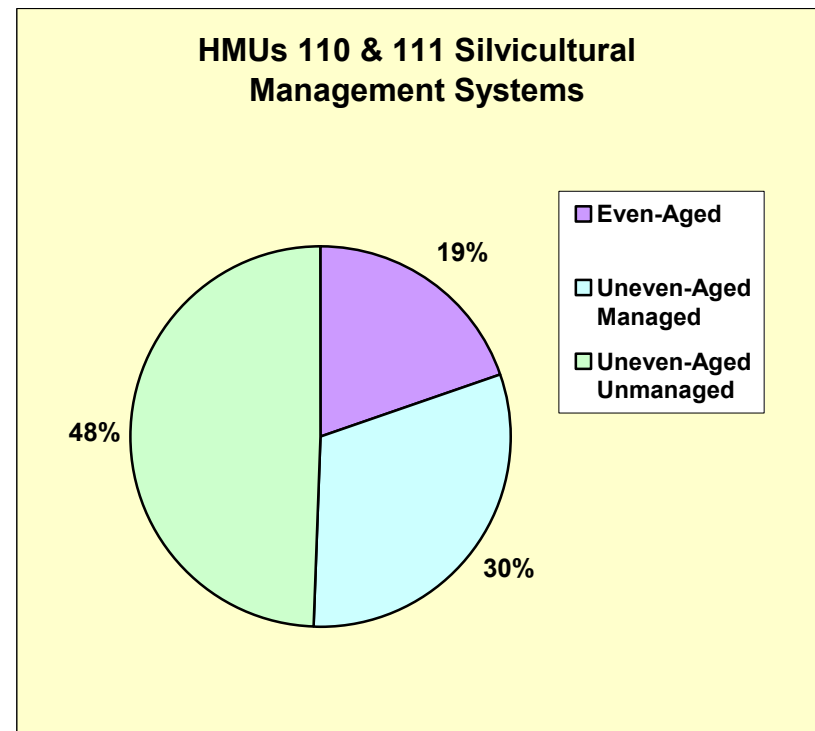
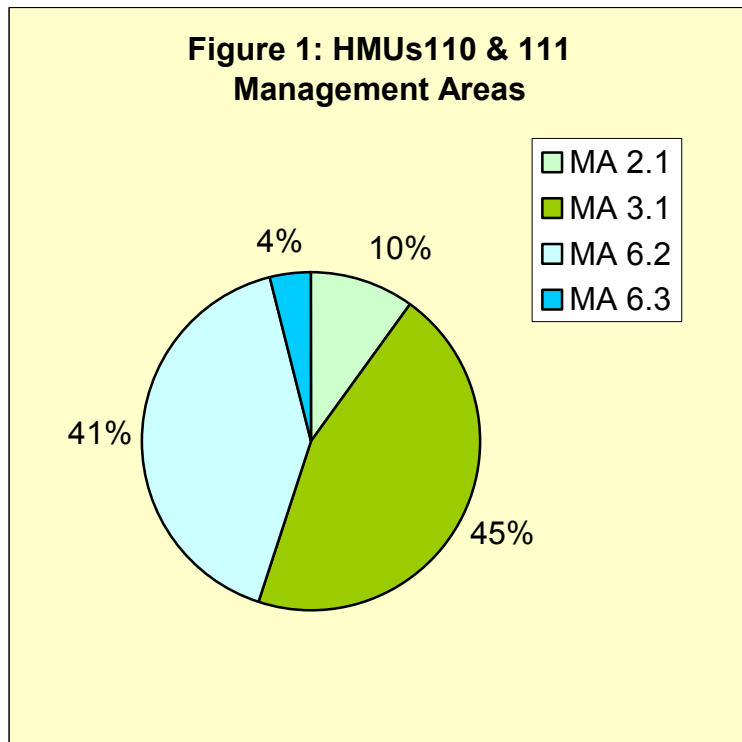
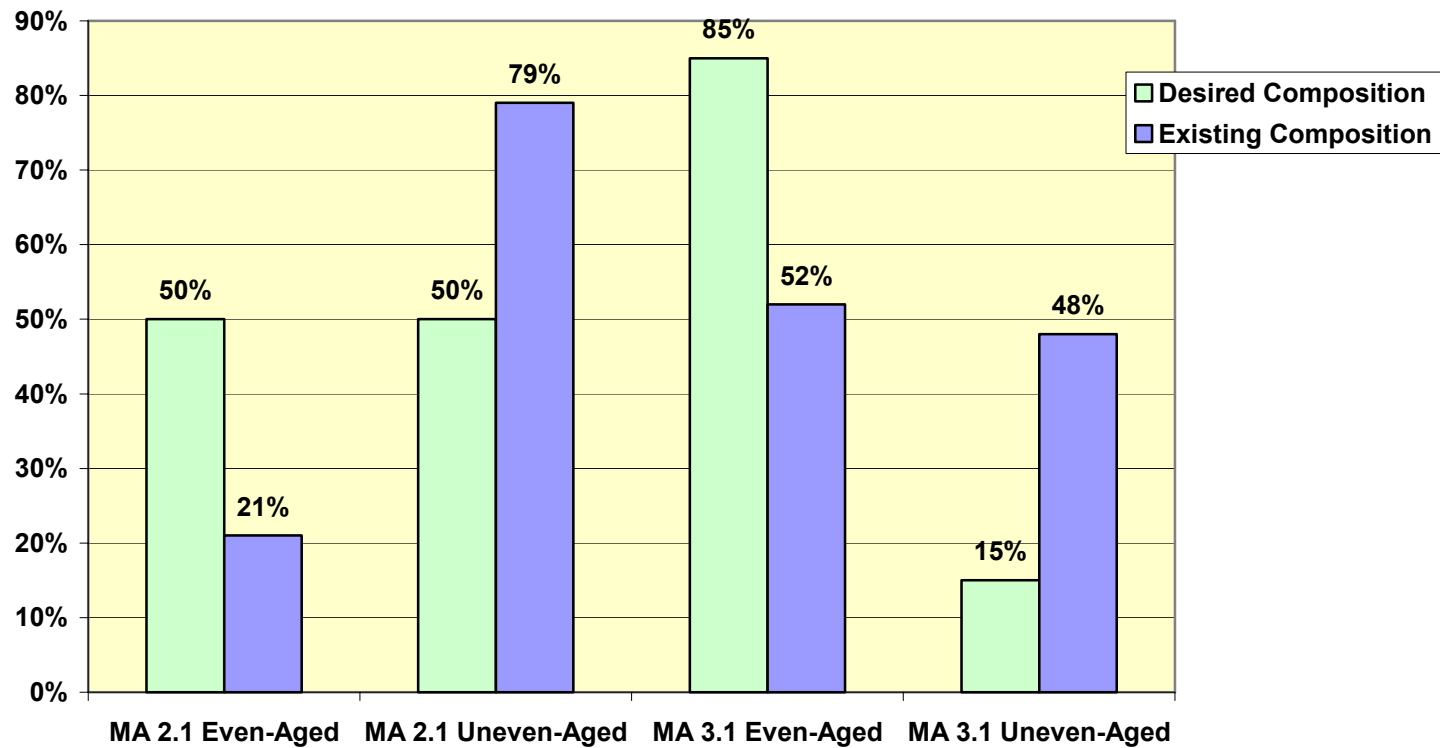


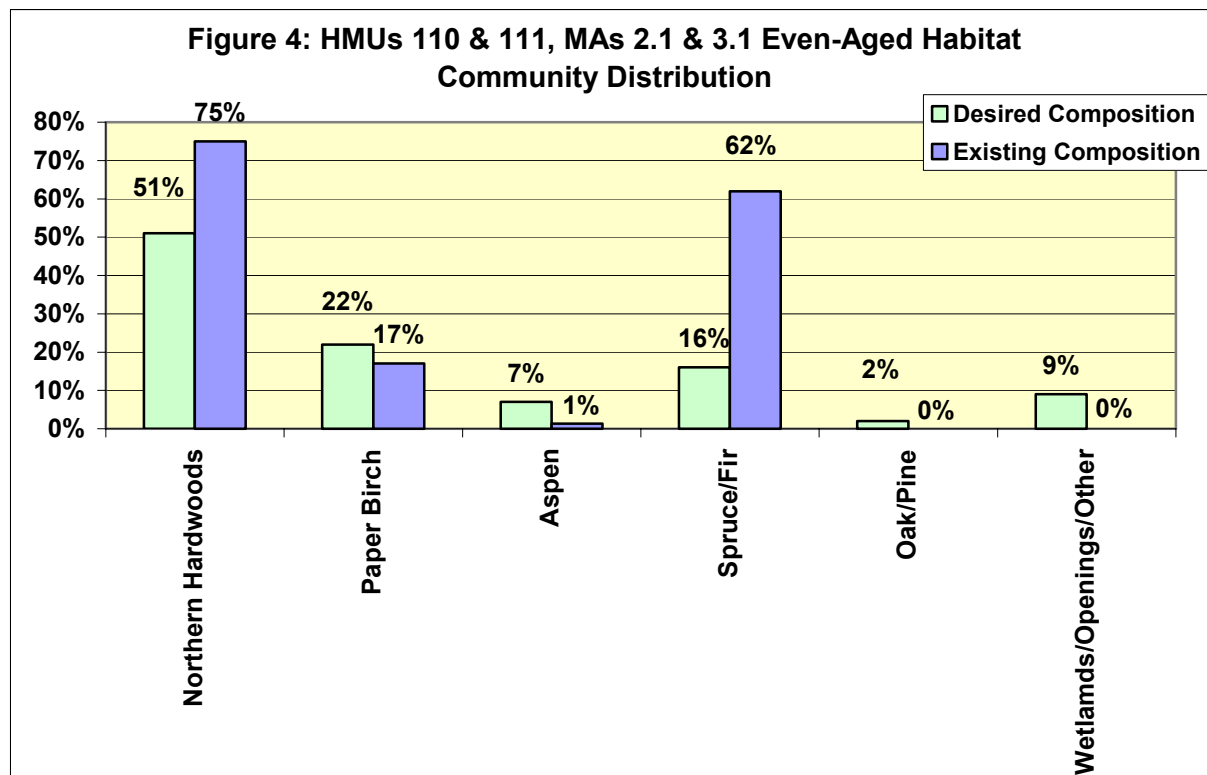
## APPENDIX E – HMU 110 & 111 DATA

The following figures display the statistics for HMUs 110 and 111



**Figure 3: HMUs 110 & 111, MAs 2.1 & 3.1 Silvicultural Systems Desired and Existing Conditions**





The following tables compare the Forest Plan desired composition for an “ideal” HMU with the existing conditions in HMUs 110 and 111 where the Nubble project is located.

Tables [?](#) and [?](#) display the desired composition and existing composition for community type by community stage for all MA 2.1 and 3.1 lands within HMU 1110 or 111 by even-aged management systems. Column 1 figures are based on the percent of MA 2.1 and 3.1 lands in each HMU being managed through even-aged silviculture, and Columns 2-6 are based on percents of

Column 1 figures.

For example:

1. Forty-three (43%) of HMU 110 is allocated to even-aged management = 3891 acres.
2. The Forest Plan “ideal” desired composition for northern hardwoods management in an even-aged management system is 51%. Therefore, 51% of the 3891 acres of HMU 110, allocated to even-aged management, is to be managed for northern hardwoods.  $51\% \times 3891$

acres = 858 acres.

3. The Forest Plan further states that the desired composition of northern hardwoods will be divided between Regeneration (10%), Young Stands (35%), mature stands (45%), and over-mature stands (10%). Therefore the 10% of northern hardwoods allocated to even-aged management in HMU 110 is:  $10\% \times 858 \text{ acres} = 86 \text{ acres}$ .

**Table 1: Even Aged Management, HMU110, , 2.1 & 3.1 Lands, Desired/Existing Condition**

| HABITAT<br>COMMUNITY   | EVEN-AGED MANAGEMENT (EAM)   |           |                               |           |           |           |           |           |             |           |
|--|--|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|
|  | Column 1<br>Percent EAM Lands<br>For MAs 2.1 & 3.1<br>Lands in HMU 110<br>(44% of 3829 Ac of<br>HMU 110) |           | Columns 2-5<br>Community Type |           |           |           |           |           |             |           |
|  |  |           | Regeneration                  |           | Young     |           | Mature    |           | Over Mature |           |
|  | DC<br>HMU  | EC<br>HMU | DC<br>HMU                     | EC<br>HMU | DC<br>HMU | EC<br>HMU | DC<br>HMU | EC<br>HMU | DC<br>HMU   | EC<br>HMU |
| Northern Hardwood  | 51%  | 63%       | 10%                           | 0%        | 35%       | 80%       | 45%       | 19%       | 10%         | 2%        |
| Paper Birch  | 22%  | 34%       | 10%                           | 12%       | 45%       | 16%       | 35%       | 1%        | 10%         | 70%       |
| Aspen  | 7%   | 2%        | 15%                           | 0%        | 100%      | 0%        | 30%       | 0%        | 10%         | 0%        |
| Spruce/Fir   | 16%  | 0%        | 10%                           | 0%        | 25%       | 0%        | 55%       | 0%        | 10%         | 0%        |
| Oak/Pine   | 2%   | 0%        | 10%                           | 0%        | 45%       | 0%        | 35%       | 0%        | 10%         | 0%        |
| Permanent<br>Openings  | 3%   | 1%        |                               |           |           |           |           |           |             |           |
| Total Percent of<br>EAM Lands<br>For MAs 2.1 & 3.1<br>in HMU 110 | 94%  | 100%      |                               |           |           |           |           |           |             |           |

♦ Percentages do not include acres of Wetlands (2%) or Other (4%) habitat communities

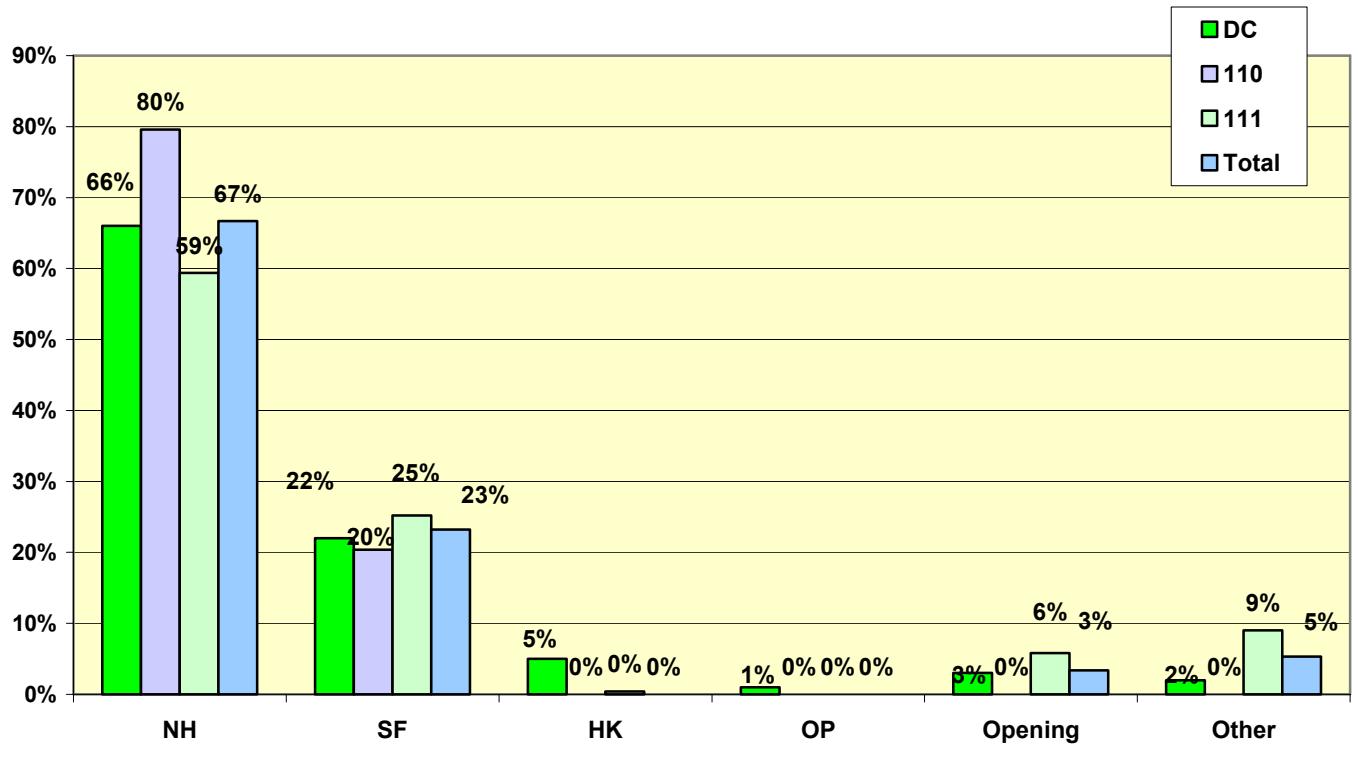
**Table 2: Even Aged Management, HMU 111, 2.1 & 3.1 Lands, Desired/Existing Condition**

| HABITAT<br>COMMUNITY   | EVEN-AGED MANAGEMENT (EAM)   |           |                               |           |           |           |           |           |             |           |
|--|--|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|
|  | Column 1<br>Percent EAM Lands<br>For MAs 2.1 & 3.1 Lands<br>in HMU 110 ((42% of<br>5216 Ac of HMU 111) |           | Columns 2-5<br>Community Type |           |           |           |           |           |             |           |
|  |  |           | Regeneration                  |           | Young     |           | Mature    |           | Over Mature |           |
|  | DC<br>HMU  | EC<br>HMU | DC<br>HMU                     | EC<br>HMU | DC<br>HMU | EC<br>HMU | DC<br>HMU | EC<br>HMU | DC<br>HMU   | EC<br>HMU |
| Northern Hardwood  | 51%  | 85%       | 10%                           | 0%        | 35%       | 35%       | 45%       | 33%       | 10%         | 32%       |
| Paper Birch  | 22%  | 3%        | 10%                           | 0%        | 45%       | 82%       | 35%       | 26.3%     | 0%          | 18%       |
| Aspen  | 7%   | 1%        | 15%                           | 100%      | 45%       | 0%        | 35%       | 0%        | 10%         | 0%        |
| Spruce/Fir   | 16%  | 11%       | 10%                           | 0%        | 25%       | 29%       | 55%       | 43%       | 10%         | 28%       |
| Oak/Pine   | 2%   | 0%        | 10%                           | 0%        | 45%       | 0%        | 35%       | 0%        | 10%         | 0 %       |
| Permanent<br>Openings  | 3%   | 0%        |                               |           |           |           |           |           |             |           |
| Total Percent of<br>EAM Lands<br>For MAs 2.1 & 3.1 in<br>HMU 111 | 94%♦   | 100%♥     |                               |           |           |           |           |           |             |           |

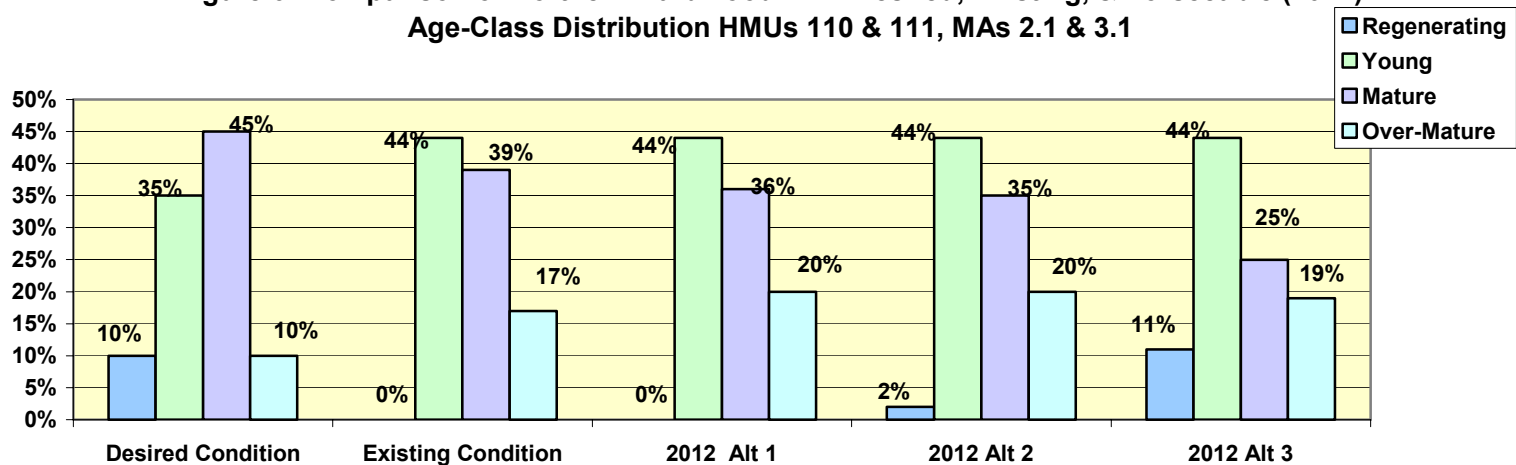
**Table 3: Even-Aged Management, HMUs 110 & 111, 2.1 & 3.1 Lands, Desired/Existing Condition**

| HABITAT<br>COMMUNITY  | EVEN-AGED MANAGEMENT (EAM)   |           |                               |           |           |           |           |           |             |           |
|---|--|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|
|   | Column 1<br>Percent EAM Lands<br>For MAs 2.1 & 3.1 Lands<br>in HMUs 110 & HMU 111<br>(42% of 9045 ac of HMUs<br>110 & 111) |           | Columns 2-5<br>Community Type |           |           |           |           |           |             |           |
|   |  |           | Regeneration                  |           | Young     |           | Mature    |           | Over Mature |           |
|   | DC<br>HMU  | EC<br>HMU | DC<br>HMU                     | EC<br>HMU | DC<br>HMU | EC<br>HMU | DC<br>HMU | EC<br>HMU | DC<br>HMU   | EC<br>HMU |
| Northern Hardwood   | 51%  | 75%       | 10%                           | 0%        | 35%       | 52%       | 45%       | 28%       | 10%         | 21%       |
| Paper Birch   | 22%  | 17%       | 10%                           | 12%       | 45%       | 23%       | 35%       | 1%        | 10%         | 64%       |
| Aspen   | 7%   | 1%        | 15%                           | 0%        | 45%       | 1000%     | 35%       | 0%        | 10%         | 0%        |
| Spruce/Fir  | 16%  | 6%        | 10%                           | 0%        | 25%       | 29%       | 55%       | 43%       | 10%         | 28%       |
| Oak/Pine  | 2%   | 0%        | 10%                           | 0%        | 45%       | 0%        | 35%       | 0%        | 10%         | 0 %       |
| Permanent<br>Openings   | 3%   | 0%        |                               |           |           |           |           |           |             |           |
| Total Percent of<br>EAM Lands<br>For MAs 2.1 & 3.1 in<br>HMUs 110 & 111 | 94%♦   | 100%♥     |                               |           |           |           |           |           |             |           |

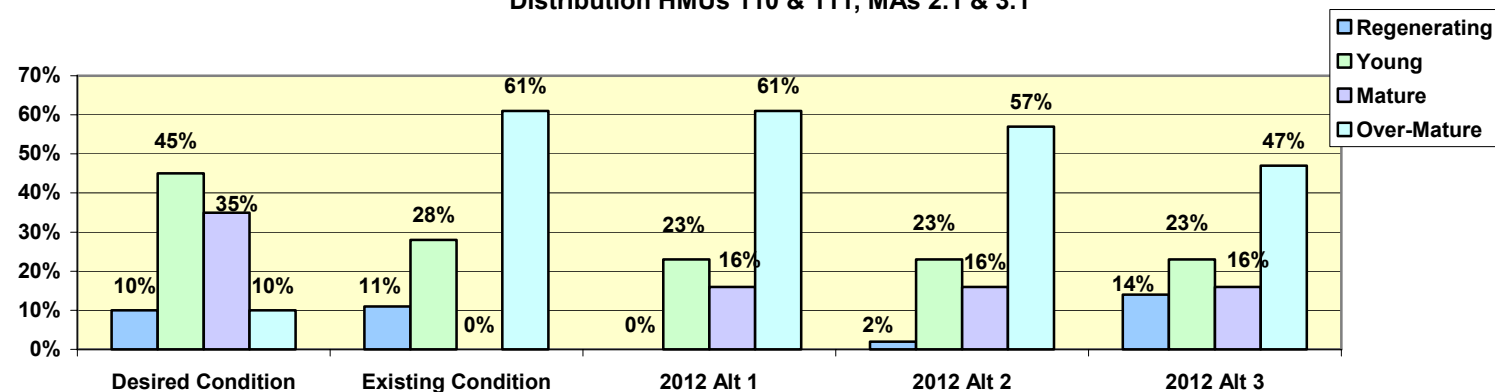
**Figure 5: Uneven-Aged Management, Desired Condition, Existing Condition  
(HMU 110, HMU 111, and HMU 110+111)**



**Figure 6: Comparison of Northern Hardwood EAM Desired, Existing, & Forseeable (2012)  
Age-Class Distribution HMUs 110 & 111, MAs 2.1 & 3.1**



**Figure 7: Comparison of Paper Birch EAM Desired, Existing, & Forseeable (2012) Age-Class  
Distribution HMUs 110 & 111, MAs 2.1 & 3.1**



**Figure 8: Comparison of Balsam Fir/Paper Birch/Aspen EAM Existing & Forseeable (2012) Age-Class Distribution HMUs 110 & 111, MAs 2.1 & 3.1**

